

India Meteorological Department is celebrating 150th year of its establishment during 2024-2025. In this backdrop a series of Popular talks are being organized by IMD.

In this series, India Meteorological Department invites you to attend a Popular talk on

Climate Resilient Cities



DGM Conference Hall, Mausam Bhawan



Feb 19, 2025



Time: 03:30 PM



Dr Ashish Sharma

Climate and Urban Sustainability Lead,
University of Illinois System

<https://imd-mb.webex.com/imd-mb/j.php?MTID=m122959af87ae fe0ea715a4f9c70ebfe3>



Webex

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YouTube

About the Speaker

Dr. Ashish Sharma is the Climate and Urban Sustainability Lead at the Discovery Partners Institute, University of Illinois System. He is a faculty member in the Department of Climate, Meteorology & Atmospheric Sciences at the University of Illinois Urbana-Champaign and also holds a joint appointment as a Climate Scientist at Argonne National Laboratory. Dr. Sharma has expertise in atmospheric sciences, focusing on regional climate and air quality and assessing adaptation and mitigation strategies. Through collaborative research across science, engineering, social sciences, and policy, he studies environmental justice issues, including heat, fog, air quality, and high-impact weather. Dr. Sharma has secured funding of \$40M+ as PI or co-PI from diverse agencies, such as the U.S. DOE, NSF, NASA, Walder Foundation, IBM, and ComEd Exelon Energy. Dr. Sharma is a fellow of the Royal Meteorological Society. He has briefed the U.S. Senate Climate Taskforce, U.S. House of Representatives, and congressional staff on Capitol Hill on the impacts of climate change in the Great Lakes Region (2019). He has received numerous awards, including the American Planning Association Merit in Sustainability Award (2022) and the Center for Climate and Energy Solutions Climate Leadership Award (2021).

About the Talk

The talk discusses the growing urban stress faced by cities due to extreme weather, environmental, and demographic pressures. It emphasizes the need to reassess urban resilience as extreme events become more frequent. The lecture presents an interdisciplinary framework for studying urban environments, focusing on heat, air quality, and flooding. It also introduces tools for policymakers and highlights real-world examples of nature-based solutions, infrastructure choices, and behavioral strategies that enhance urban resilience while addressing environmental challenges.